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Carpet and Rugs

1986

MA22Q(86)-1
Issued August 1987U.S. Department of Commerce
BUREAU OF THE CENSUS**SUMMARY FOR FINDINGS**

Total value of shipments of carpet and rugs increased 10 percent in 1986 to \$7,296.1 million from \$6,605.7 million in 1985. Quantity of shipments increased 8 percent from 1,159.2 million

square yards in 1985 to 1,254.2 million in 1986. The average unit price for total carpeting increased slightly from \$5.70 to \$5.82.

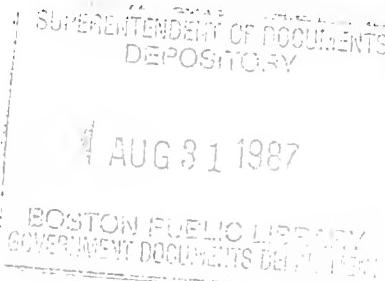
A description of the survey methodology and related information appears on page 3.

Table 1. SHIPMENTS OF CARPET AND RUGS: 1976 TO 1986

(Millions of dollars)

Year	Rugs, carpet and carpeting	Woven carpet and rugs	Tufted carpet and rugs	Other carpet and rugs
1986.....	7,296.1	235.2	6,867.4	193.5
1985.....	6,605.7	227.8	6,224.7	153.2
1984.....	6,461.5	215.6	6,088.2	157.7
1983.....	6,045.3	219.7	5,656.8	168.8
1982.....	4,960.8	194.7	4,621.1	145.0
1981.....	5,250.4	178.6	4,956.5	115.4
1980.....	4,913.8	197.8	4,617.5	98.6
1979.....	5,099.1	200.4	4,805.3	93.4
1978.....	4,772.6	178.1	4,492.8	101.6
1977.....	4,298.7	155.8	4,050.3	92.6
1976.....	3,636.5	151.8	3,401.3	83.4

Note: Detail may not add to total due to independent rounding.



Product code	Product description	Exports of merchandise		Imports for consumption		Apparent consumption	
		Quantity	Value	Quantity	Value	Quantity	Value
2210	Carpet and rugs.....	1,254.2	7,296.1	29.9	181.1	2.4	2.5
2270	Woven carpet and rugs.....	16.6	235.2	6.1	41.5	36.8	17.6
22720	Tufted carpet and rugs.....	1,184.4	6,867.4	20.9	122.9	1.9	1.8
22790	Other carpet and rugs.....	53.2	193.5	2.9	16.7	5.5	8.6
	Other carpet and rugs.....					21.8	21.8
	Other carpet and rugs.....					109.6	109.6
	Brussels, crepe, and other carpet and rugs.....					286.4	286.4

Note: Not elsewhere classified.

Table 3. COMPARISON OF SIC CODES, TSUSA IMPORT NUMBERS, AND APPARENT CONSUMPTION FOR CARPET AND RUGS IN 1980

Quantity in millions of square yards; value in calculated import duty in millions of dollars.

Product code	Product description	Manufacturers' shipments		Exports of merchandise		Imports for consumption*		Apparent consumption*		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
2210	Carpet and rugs.....	1,254.2	7,296.1	29.9	181.1	2.4	2.5	47.6	179.2	1,231.9	7,493.7
22710	Woven carpet and rugs.....	16.6	235.2	6.1	41.5	36.8	17.6	10.9	152.4	20.9	346.1
22720	Tufted carpet and rugs.....	1,184.4	6,867.4	20.9	122.9	1.9	1.8	15.9	116.7	1,178.9	6,861.2
22790	Other carpet and rugs.....	53.2	193.5	2.9	16.7	5.5	8.6	21.8	109.6	72.1	286.4
	Other carpet and rugs.....					21.8	21.8				
	Other carpet and rugs.....					109.6	109.6				
	Brussels, crepe, and other carpet and rugs.....					286.4	286.4				

Note: For comparison of SIC-based codes with Schedule B export numbers and TSUSA import numbers, see table 4.

¹Source: Bureau of the Census report EM 546, U.S. Exports.

²Source: Bureau of the Census report IM 146, U.S. Imports for Consumption.

³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 4. COMPARISON OF SIC CODES, TSUSA IMPORT NUMBERS, AND SCHEDULE B EXPORT NUMBERS

Product code	Product description	Import number						Export number																		
		360.2000	360.2500	360.3000	360.3500	360.3600	360.4000	360.4215	360.4225	360.4330	360.4335	360.4500	360.4700	360.4815	360.4825	360.4830	360.4835	360.4850	360.4855	360.4910	360.4914	360.4916	360.4921	360.4941	360.4951	360.4961
22710	Woven carpet and rugs.....																									
22720	Tufted carpet and rugs.....																									
22790	Other carpet and rugs.....																									

Source: Bureau of the Census, IM 146, U.S. Imports for Consumption.

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers all companies manufacturing carpet and rugs in the United States, except very small companies (generally less than 5 employees), for which 1982 Census of Manufactures data were derived from administrative records of other Government agencies.

Survey Methodology The statistics in this publication were collected by mail on Bureau of the Census annual Form MA22Q, Carpet and Rugs. The survey panel includes all known manufacturers of carpet and rugs (except those very small firms excluded from the scope of the survey). Approximately 240 companies are included.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These non-sampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on yearly movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

Revisions to Previous Period Data. Statistics for previous years may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Adjustment for Price Change. All dollar figures included in this publication are in current dollars; i.e., they have not been adjusted for price change.

EXPLANATION OF TERMS

Quantity and Value of Shipments. The figures on quantity and value of shipments represent physical shipments of all products

sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable sales to unaffiliated customers; i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Materials Consumed. These data include primary and secondary backing materials consumed in the manufacture of rugs, carpet, and carpeting. Materials consumed by commission plants are included in the report of the company for which the work is done. It should be noted that these data represent all materials consumed during the period; whereas, shipments data represent products physically shipped during the period.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

Valuation. There are different methods of valuation for the three types of data:

- **Domestic Output**—Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.
- **Exports**—Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.
- Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.
- **Imports**—Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

Duplication in Quantity and Value of Output. Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

Low-Value Import and Export Transactions. Detailed commodity information is not included for individual export shipments valued at not more than \$1,000. Generally, detailed commodity information is not included for individual import shipments valued at not more than \$1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than \$250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Exports. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of the U.S. customs territory (the 50 States, the District of Columbia, and Puerto Rico). They do not include movements between the United States and its possessions. Domestic output (shipments) data exclude Puerto Rico and other outlying areas.

HISTORICAL NOTES

Data on carpets and rugs have been collected by the Bureau of the Census since 1968. Historical data may be obtained from

Current Industrial Reports available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2271
Boston, Massachusetts	(617) 223-2327
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 236-2200
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(816) 374-4601
Los Angeles, California	(213) 209-6316
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 442-7828

Historical data are also available on microfiche. For further information contact the Bureau of the Census, Data User Services Division, (301) 763 4100.

RELATED REPORTS

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System</i>
MQ22T	Quarterly	<i>Broadwoven Fabrics (Gray)</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F1	Annually	<i>Textured Yarn Production</i>
MA22F2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22S	Annually	<i>Broadwoven Fabrics Finished</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>

Series	Frequency	Title	Subject Area	Contact	Phone Number
		<i>Other Industry Reports</i>			
M3 1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>	Classification Systems Comparability	James Kristoff (ESD)	(301) 763-1935
(AS)	Annually	Annual Survey of Manufactures (ASM)	Census/ASM	Ted McGrath	(301) 763-5152
(MC)	Quinquennially	Census of Manufactures	To order a Census Bureau publication	Customer Services (DUSD)	(301) 763-4100
		<i>Foreign Trade Reports</i>	Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
EM 546	Monthly	<i>U.S. Exports Schedule B Commodity by Country</i>			
FT 446	Annually				
IM 146	Monthly	<i>U.S. Imports for Consumption TSUSA Commodity by Country</i>			
FT 246	Annually				

INDUSTRY FINANCING

This survey is funded, in part, by the Carpet and Rug Institute.

ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Carole A. Ambler, Chief, Current Nondurables Branch, and Judy Dodds, Chief, Textile and Apparel Section. Kay Boyer was directly responsible for the review and preparation of this report. Gaylord Worden, Chief, of the Division, and Robert N. Tinari, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Reports MA22Q	Kay Boyer	(301) 763-5809
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575

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Carpet and Rugs

1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

 MA22Q(87)-1
Issued August 1988
SUMMARY OF FINDINGS

Total value of shipments of carpet and rugs increased 5 percent in 1987 to \$7,664.5 million from \$7,311.6 million in 1986. Quantity of shipments increased slightly

from 1,257.9 million square yards in 1986 to 1,263.3 million in 1987. The average unit price for total carpeting increased from \$5.81 to \$6.07.

A description of the survey methodology and related information appears on page 3.

Table 1. SHIPMENTS OF CARPET AND RUGS: 1977 TO 1987

(Millions of dollars)

Year	Rugs, carpet and carpeting	Woven carpet and rugs	Tufted carpet and rugs	Other carpet and rugs
1987.....	7,644.4	250.2	7,230.8	183.4
1986.....	7,311.6	240.2	6,890.0	r 181.4
1985.....	6,605.7	227.8	6,224.7	153.2
1984.....	6,461.5	215.6	6,088.2	157.7
1983.....	6,045.3	219.7	5,656.8	168.8
1982.....	4,960.8	194.7	4,621.1	145.0
1981.....	5,250.4	178.6	4,956.5	115.4
1980.....	4,913.8	197.8	4,617.5	98.6
1979.....	5,099.1	200.4	4,805.3	93.4
1978.....	4,772.6	178.1	4,492.8	101.6
1977.....	4,298.7	155.8	4,050.3	92.6

Note: Detail may not add to total due to independent rounding.

r Revised by 5 percent or more from previously published figures.

Table 2. SHIPMENTS OF CARPET AND RUGS: 1987 AND 1986

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	1987		1986	
		Quantity	Value	Quantity	Value
	Total.....	1,263,302	7,664,432	1,257,906	7,311,614
22731 00	Woven carpet and rugs.....	17,309	250,213	16,782	240,196
	Tufted carpet and rugs.....	1,195,249	7,230,774	1,187,961	6,890,001
22732 01	By type: Scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	67,900	425,297	64,363	390,246
22732 03	Roll goods and rugs larger than 6' x 9', excluding artificial grass.....	1,027,859	6,336,973	1,020,455	6,024,290
22732 05	Tufted artificial grass for nonathletic surface.....	22,542	53,485	22,815	50,308
22732 07	Automobile and aircraft carpeting.....	76,948	415,014	780,325	425,157
	By fiber of face yarn: Nylon.....	741,722	4,703,757	(NA)	(NA)
22732 13	Polyester.....	195,683	1,058,299	(NA)	(NA)
22732 19	All other.....	154,693	855,110	(NA)	(NA)
	Fiber n.s.k.....	103,151	613,608		
	Other carpet and rugs.....	50,744	183,445	53,163	181,417
22733 10	Knitted.....	3,659	30,873	3,620	31,698
22733 20	Needle punched.....	41,152	109,013	43,185	105,716
22733 30	Felt.....	-	-	(NA)	(NA)
22733 90	Braided, hooked, and other carpet and rugs n.e.c.....	5,933	43,559	6,358	44,003

- Represents zero. (NA) Not available. N.e.c. Not elsewhere classified. N.s.k. Not specified by kind.

* Revised by 5 percent or more from previously published figures.

Table 3. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF CARPET AND RUGS: 1987 AND 1986

(Quantity in millions of square yards; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise ¹		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value at port	Quantity	Value	Quantity	Value ³	Quantity	Value	Quantity	Value
	1987												
22731	Carpet and rugs.....	1,263.4	7,664.4	41.5	214.8	3.3	2.8	42.6	381.2	1,264.5	7,830.8	3.4	4.9
22732	Woven carpet and rugs.....	17.3	250.2	8.0	45.8	46.2	18.3	10.9	160.2	18.4	364.6	59.2	43.9
22733	Tufted carpet and rugs.....	1,195.2	7,230.8	28.8	147.7	2.4	2.0	14.4	113.8	1,180.8	7,196.9	1.2	1.6
	Other carpet and rugs.....	50.7	183.4	4.7	21.3	9.3	11.6	17.3	107.2	63.3	269.3	27.3	39.8
	1986												
22731	Carpet and rugs.....	1,257.9	7,311.6	29.9	181.1	2.4	2.5	47.6	378.7	1,275.6	7,509.2	3.7	5.0
22732	Woven carpet and rugs.....	16.8	240.2	6.1	41.5	36.3	17.3	10.4	152.4	21.1	351.1	49.2	43.4
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	Other carpet and rugs.....	53.1	181.4	2.9	16.7	5.5	9.2	21.8	109.6	72.0	274.3	30.3	40.0

Note: For comparison of SIC-based codes with Schedule B export numbers and TSUSA import numbers, see table 4.

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22731	Woven carpet and rugs.....	360.6500	360.7000	360.7600	360.7700	360.7800	360.7900	360.8100	360.8200	360.8300	360.8400	361.9000								360.8010	360.8021	360.8041	360.8061	360.8081					
22732	Tufted carpet and rugs.....	361.0510	361.0520	361.0530	361.0540	361.0700	361.1000	361.1820	361.1840	361.2100	361.2300	361.2405	361.2410	361.2600	361.4200	361.4300	361.4500	361.4600	361.4800	361.5000	361.5200	361.5300	361.5420	361.5426	361.6000	361.7010	361.7020	361.7030	361.7060
22733	Other carpet and rugs.....	361.0510	361.0520	361.0530	361.0540	361.0700	361.1000	361.1820	361.1840	361.2100	361.2300	361.2405	361.2410	361.2600	361.4200	361.4300	361.4500	361.4600	361.4800	361.5000	361.5200	361.5300	361.5420	361.5426	361.6000	361.7010	361.7020	361.7030	361.7060

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Low-Value Import and Export Transactions. Detailed commodity information is not included for individual export shipments valued at not more than \$1,500. Generally, detailed commodity information is not included for individual import shipments valued at not more than \$1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than \$250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Exports. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of the U.S. customs territory (the 50 States, the District of Columbia, and Puerto Rico). They do not include movements between the United States and its possessions. Domestic output (shipments) data exclude Puerto Rico and other outlying areas.

HISTORICAL NOTES

Data on carpets and rugs have been collected by the Bureau of the Census since 1968. Historical data may be obtained from Current Industrial Reports available at

your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2271
Boston, Massachusetts	(617) 223-2327
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 236-2200
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(816) 374-4601
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 442-7828

Historical data are also available on microfiche. For further information contact the Bureau of the Census, Data User Services Division, (301) 763-4100.

RELATED REPORTS

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combining</i>
M22P	Monthly	<i>Consumption on the Cotton System</i>
MQ22T	Quarterly	<i>Broadwoven Fabrics (Gray)</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22S	Annually	<i>Broadwoven Fabrics Finished</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
<i>Other Industry Reports</i>		
M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufactures (ASM)</i>
(MC)	Quinquennially	<i>Census of Manufactures</i>

Series	Frequency	Title	Subject Area	Contact	Phone Number
<i>Foreign Trade Reports</i>					
EM 546	Monthly	<i>U.S. Exports—Schedule B—Commodity by Country</i>	To order a Current Industrial Report	Superintendent of Documents (GPO)	(202) 783-3238
FT 446	Annually		To subscribe to a Census Bureau publication	Superintendent of Documents (GPO)	(202) 275-3054
IM 146	Monthly	<i>U.S. Imports for Consumption—TSUSA—Commodity by Country</i>	Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
FT 246	Annually				

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Reports MA22Q	David Ryan	(301) 763-7807
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575
Classification Systems Comparability	James Kristoff (ESD)	(301) 763-1935
Census/ASM	Ted McGrath	(301) 763-5152

ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Tom Flood, Chief, Current Nondurables Branch, and Judy Dodds, Chief, Textile and Apparel Section. David Ryan was directly responsible for the review and preparation of this report. Gaylord Worden, Chief, of the Division, and Robert N. Tinari, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.

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MQ22Q(88)-1/2-

Carpet and Rugs

FIRST AND SECOND QUARTERS 1988

MQ22Q(88)-1 and 2
Issued December 1988

The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of carpet and rugs excluding tufted roll goods. Estimates are included for companies whose reports were not

received in time for tabulation. A description of the survey methodology and related information appears on page 3.

Table 1. SHIPMENTS OF SELECTED CARPET AND RUGS: 1988

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	Second quarter 1988		First quarter 1988		Year-to-date	
		Quantity	Value	Quantity	Value	Quantity	Value
	Selected carpet and rugs.....	76,017	408,562	73,411	397,326	149,428	805,888
22731 00	Woven carpet and rugs.....	7,792	111,647	7,935	106,606	15,727	218,253
22732 01	Tufted scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	21,380	104,880	22,886	112,144	44,266	217,024
22732 05	Tufted artificial grass for nonathletic surface.....	7,417	18,045	5,765	13,895	13,182	31,940
22732 07	Tufted automobile and aircraft carpeting.....	21,551	114,490	19,915	104,834	41,466	219,324
22733 10	Knitted carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 20	Needle punched carpet and rugs.....	17,104	48,024	16,064	47,882	33,168	95,906
22733 30	Felt carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 90	Braided, hooked, and other carpet and ruga n.e.c.....	479	8,345	561	8,911	1,040	17,256

(D) Data withheld to avoid disclosing figures for individual companies. N.e.c. Not elsewhere classified.

Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED CARPET AND RUGS: 1988

(Quantity in millions of square yards; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise ¹		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quan- tity	Value at port	Quan- tity	Value	Quan- tity	Value ³	Quantity	Value	Quan- tity	Value
SECOND QUARTER 1988													
22731	Woven carpet and rugs.....	7.8	111.6	4.4	21.9	56.4	19.6	3.0	42.6	6.4	132.3	46.9	32.2
22733	Other carpet and rugs.....	17.9	59.5	1.7	6.6	9.5	11.1	4.3	29.6	20.5	82.5	21.0	35.9
FIRST QUARTER 1988													
22731	Woven carpet and rugs.....	7.9	106.6	2.7	13.8	34.1	12.9	2.7	37.1	7.9	129.9	34.1	28.6
22733	Other carpet and rugs.....	16.9	59.8	1.4	6.4	8.3	10.7	6.0	30.8	21.5	74.9	27.9	41.1

Note: For comparison of SIC-based codes with Schedule 8 export numbers and TSUSA import numbers, see table 3.

¹Source: Bureau of the Census report EM 546, U.S. Exports.²Source: Bureau of the Census report IM 146, U.S. Imports for Consumption.³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 3. COMPARISON OF SIC CODES, TSUSA IMPORT NUMBERS, AND SCHEDULE 8 EXPORT NUMBERS

Product code	Product description	Import number	Export number
22731	Woven carpet and rugs.....	360.2000, 360.2500, 360.3000, 360.3500, 360.3600, 360.4000, 360.4215, 360.4225, 360.4330, 360.4335, 360.4500, 360.4700, 360.4815, 360.4825, 360.4830, 360.4835, 360.4850, 360.4855	360.8510, 360.8514, 360.8516, 360.8521, 360.8541, 360.8561
22733	Other carpet and rugs.....	361.0510, 361.0520, 361.0530, 361.0540, 361.0700, 361.1000, 361.1820, 361.1840, 361.2100, 361.2300, 361.2405, 361.2410, 361.2600, 361.4200, 361.4300, 361.4500, 361.4600, 361.4800, 361.5000, 361.5200, 361.5300, 361.5420, 361.5426, 361.6000, 361.7010, 361.7020, 361.7030, 361.7060	360.9510, 360.9515, 360.9521, 360.9541, 360.9561

Source: Bureau of the Census, IM 146, U.S. Imports for Consumption.

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers all companies manufacturing selected carpet and rugs in the United States, except very small companies (generally less than 5 employees), for which 1982 Census of Manufactures data were derived from administrative records of other Government agencies.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22Q, Carpet and Rugs. The survey panel includes all known manufacturers of carpet and rugs (except those very small firms excluded from the scope of the survey). Since this survey does not cover tufted roll goods, makers of those carpets were excluded from the panel. Approximately 85 companies are included.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 5 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

Revisions to Previous Period Data. Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Adjustment for Price Change. All dollar figures included in this publication are in current dollars; i.e., they have not been adjusted for price change.

EXPLANATION OF TERMS

Quantity and Value of Shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

Valuation. There are different methods of valuation for the three types of data:

- **Domestic Output.** Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.
- **Exports.** Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.

Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.

- **Imports.** Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

Duplication in Quantity and Value of Output. Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

Low-Value Export and Import Transactions. Detailed commodity information is not included for individual export shipments valued at not more than \$1,500. Generally, detailed commodity information is not included for individual import shipments valued at not more than \$1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than \$250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Exports. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of the U.S. customs territory (the 50 States, the District of

Columbia, and Puerto Rico). They do not include movements between the United States and its possessions. Domestic output (shipments) data exclude Puerto Rico and other outlying areas.

RELATED REPORTS

An annual Current Industrial Report also is published in this series. The annual report summarizes quarterly figures and incorporates known revisions for both the current and previous years. It also provides a single reference copy to replace the quarterly publications.

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>
MQ22T	Quarterly	<i>Broadwoven Fabrics (Gray)</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22S	Annually	<i>Broadwoven Fabrics Finished</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>

Other Industrial Reports

M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufactures (ASM)</i>
(MC)	Quinquennially	<i>Census of Manufactures</i>

Foreign Trade Reports

EM 546	Monthly	<i>U.S. Exports—Schedule B—Commodity by Country</i>
FT 446	Annually	
IM 146	Monthly	<i>U.S. Imports for Consumption—TSUSA—Commodity by Country</i>
FT 246	Annually	

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Reports MQ22Q	David Ryan	(301) 763-7807

Subject Area	Contact	Phone Number	Subject Area	Contact	Phone Number
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575	To subscribe to a Census Bureau publication	Superintendent of Documents (GPO)	(202) 275-3054
Census/ASM To order a Current Industrial Report	Ted McGrath Superintendent of Documents (GPO)	(301) 763-5152 (202) 783-3238	Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
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MQ 22 Q (88)-3

Carpet and Rugs

U.S. Department of Commerce
BUREAU OF THE CENSUS

MQ22Q(88)-3
Issued December 1988

THIRD QUARTERS 1988

The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of carpet and rugs excluding tufted roll goods. Estimates are included for companies whose reports were not received in time for tabulation.

A description of the survey methodology and related information appears in the first quarter report for this series, MQ22Q(88)-1, issued December 1988.

Table 1. SHIPMENTS OF SELECTED CARPET AND RUGS: 1988

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	Third quarter 1988		Second quarter 1988		Year-to-date	
		Quantity	Value	Quantity	Value	Quantity	Value
	Selected carpet and rugs.....	67,341	364,684	75,976	408,076	216,728	1,170,086
22731 00	Woven carpet and rugs.....	7,081	105,827	7,792	111,647	22,808	324,080
22732 01	Tufted scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	22,216	98,696	21,380	104,880	66,482	315,720
22732 05	Tufted artificial grass for nonathletic surface.....	3,643	9,501	7,417	18,045	16,825	41,441
22732 07	Tufted automobile and aircraft carpeting.....	18,541	94,742	21,551	114,490	60,007	314,066
22733 10	Knitted carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 20	Needle punched carpet and rugs.....	15,083	43,987	17,104	48,024	48,251	139,893
22733 30	Felt carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 90	Braided, hooked, and other carpet and rugs n.e.c.	501	8,606	479	8,345	1,541	25,862

(D) Data withheld to avoid disclosing figures for individual companies. N.e.c. Not elsewhere classified.

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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED CARPET AND RUGS: 1988

(Quantity in millions of square yards; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise ¹		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value at port	Quantity	Value	Quantity	Value ³	Quantity	Value	Quantity	Value
THIRD QUARTER 1988													
22731	Woven carpet and rugs.....	7.1	105.8	5.3	23.1	74.7	21.8	2.4	33.7	4.2	116.4	57.1	29.0
22733	Other carpet and rugs.....	15.9	55.9	2.3	16.3	14.5	29.2	3.7	22.9	17.3	62.5	21.4	36.6
SECOND QUARTER 1988													
22731	Woven carpet and rugs.....	7.8	111.6	4.4	21.9	56.4	19.6	3.0	42.6	6.4	132.3	46.9	32.2
22733	Other carpet and rugs.....	17.8	59.0	1.7	6.6	9.6	11.2	4.3	29.6	20.4	82.0	21.1	24.9

Note: For comparison of SIC-based codes with Schedule B export numbers and TSUSA import numbers, see table 3.

¹Source: Bureau of the Census report EM 546, U.S. Exports.

²Source: Bureau of the Census report IM 146, U.S. Imports for Consumption.

³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 3. COMPARISON OF SIC CODES, TSUSA IMPORT NUMBERS, AND SCHEDULE B EXPORT NUMBERS

Product code	Product description	Import number	Export number
22731	Woven carpet and rugs.....	360.2000, 360.2500, 360.3000, 360.3500, 360.3600, 360.4000, 360.4215, 360.4225, 360.4330, 360.4335, 360.4500, 360.4700, 360.4815, 360.4825, 360.4830, 360.4835, 360.4850, 360.4855	360.8510, 360.8514, 360.8516, 360.8521, 360.8541, 360.8561
22733	Other carpet and rugs.....	361.0510, 361.0520, 361.0530, 361.0540, 361.0700, 361.1000, 361.1820, 361.1840, 361.2100, 361.2300, 361.2405, 361.2410, 361.2600, 361.4200, 361.4300, 361.4500, 361.4600, 361.4800, 361.5000, 361.5200, 361.5300, 361.5420, 361.5426, 361.6000, 361.7010, 361.7020, 361.7030, 361.7060	360.9510, 360.9515, 360.9521, 360.9541, 360.9561

Source: Bureau of the Census, IM 146, U.S. Imports for Consumption.



3:158:



MQ22Q(88)-4

Carpet and Rugs

U.S. Department of Commerce
BUREAU OF THE CENSUS

MQ22Q(88)-4
Issued March 1989

The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of carpet and rugs excluding tufted roll goods. Estimates are included for companies whose reports were not received in time for tabulation.

A description of the survey methodology and related information appears in the first quarter report for this series, MQ22Q(88)-1, issued December 1988.

Table 1. SHIPMENTS OF SELECTED CARPET AND RUGS: 1988

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	Fourth quarter 1988		Third quarter 1988		Year-to-date	
		Quantity	Value	Quantity	Value	Quantity	Value
	Selected carpet and rugs.....	70,731	404,321	67,883	370,078	287,962	1,569,884
22731 00	Woven carpet and rugs.....	7,612	120,649	7,115	106,631	30,454	445,533
22732 01	Tufted scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	23,785	112,358	22,560	103,477	90,701	432,859
22732 05	Tufted artificial grass for nonathletic surface.....	2,802	7,533	3,666	9,605	19,650	49,078
22732 07	Tufted automobile and aircraft carpeting.....	21,805	112,639	18,567	94,932	81,838	417,395
22733 10	Knitted carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 20	Needle punched carpet and rugs.....	13,733	38,691	14,973	42,909	61,874	177,506
22733 30	Felt carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 90	Braided, hooked, and other carpet and rugs n.e.c.....	674	9,524	726	9,199	2,440	35,979

(D) Data withheld to avoid disclosing figures for individual companies.

N.e.c. Not elsewhere classified.

Revised by 5 percent or more from

previously published figures.

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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED CARPET AND RUGS: 1988

(Quantity in millions of square yards; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise ¹		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quan- tity	Value at port	Quan- tity	Value	Quan- tity	Value ³	Quantity	Value	Quan- tity	Value
22731	FOURTH QUARTER 1988												
22731	Woven carpet and rugs.....	7.6	120.6	5.1	22.4	67.0	18.6	2.7	28.9	5.2	127.1	51.8	22.7
22733	Other carpet and rugs.....	14.7	51.8	3.3	14.7	22.4	28.4	4.1	14.8	15.5	51.9	26.4	28.5
22731	THIRD QUARTER 1988												
22731	Woven carpet and rugs.....	7.1	105.8	5.3	23.1	74.7	21.8	2.4	33.7	4.2	116.4	57.1	29.0
22733	Other carpet and rugs.....	15.9	55.9	2.3	16.3	14.5	29.2	3.7	22.9	17.3	62.5	21.4	36.6

Note: For comparison of SIC-based codes with Schedule B export numbers and TSUSA import numbers, see table 3.

¹Source: Bureau of the Census report EM 546, U.S. Exports.

²Source: Bureau of the Census report IM 146, U.S. Imports for Consumption.

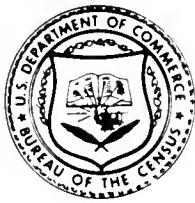
³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 3. COMPARISON OF SIC CODES, TSUSA IMPORT NUMBERS, AND SCHEDULE B EXPORT NUMBERS

Product code	Product description	Import number	Export number
22731	Woven carpet and rugs.....	360.2000, 360.2500, 360.3000, 360.3500, 360.3600, 360.4000, 360.4215, 360.4225, 360.4330, 360.4335, 360.4500, 360.4700, 360.4815, 360.4825, 360.4830, 360.4835, 360.4850, 360.4855	360.8510, 360.8514, 360.8516, 360.8521, 360.854 360.8561
22733	Other carpet and rugs.....	361.0510, 361.0520, 361.0530, 361.0540, 361.0700, 361.1000, 361.1820, 361.1840, 361.2100, 361.2300, 361.2405, 361.2410, 361.2600, 361.4200, 361.4300, 361.4500, 361.4600, 361.4800, 361.5000, 361.5200, 361.5300, 361.5420, 361.5426, 361.6000, 361.7010, 361.7020, 361.7030, 361.7060	360.9510, 360.9515, 360.9521, 360.9541, 360.956

Source: Bureau of the Census, IM 146, U.S. Imports for Consumption.



Carpet and Rugs

3.158:MA 22 Q(88)-1

Current Industrial Reports,...

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1988

MA22Q(88)-1
Issued December 1989U.S. Department of Commerce
BUREAU OF THE CENSUS**SUMMARY OF FINDINGS**

Total value of shipments of carpet and rugs increased 6.2 percent in 1988 to \$8,418.1 million from \$7,929.1 million in 1987. Quantity of shipments increased slightly

from \$1,297.3 million square yards in 1987 to \$1,328.2 million in 1988. The average unit price for total carpeting increased from \$6.11 to \$6.33.

A description of the survey methodology and related information appears on page 3.

Table 1. SHIPMENTS OF CARPET AND RUGS: 1978 TO 1988

(Millions of dollars)

Year	Rugs, carpet and carpeting	Woven carpet and rugs	Tufted carpet and rugs	Other carpet and rugs
1988.....	8,418.1	286.3	7,893.0	238.8
1987.....	7,929.1	266.3	7,415.4	247.4
1986.....	7,311.6	240.2	6,890.0	181.4
1985.....	6,605.7	227.8	6,224.7	153.2
1984.....	6,461.5	215.6	6,088.2	157.7
1983.....	6,045.3	219.7	5,656.8	168.8
1982.....	4,960.8	194.7	4,621.1	145.0
1981.....	5,250.4	178.6	4,956.5	115.4
1980.....	4,913.8	197.8	4,617.5	98.6
1979.....	5,099.1	200.4	4,805.3	93.4
1978.....	4,772.6	178.1	4,492.8	101.6

Note: Detail may not add to total due to independent rounding.

Table 2. SHIPMENTS OF CARPET AND RUGS: 1988 AND 1987

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	1988		1987	
		Quantity	Value	Quantity	Value
	Total.....	1,328,190	8,418,097	1,297,320	7,929,117
22731 00	Woven carpet and rugs.....	20,977	286,284	18,871	266,299
	Tufted carpet and rugs.....	1,240,922	7,892,985	1,215,775	7,415,379
22732 01	By type:				
	Scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	58,300	401,909	65,044	427,802
22732 03	Roll goods and rugs larger than 6' x 9', excluding artificial grass.....	1,093,951	7,011,635	1,062,495	6,536,517
22732 05	Tufted artificial grass for nonathletic surface.....	19,736	48,634	21,061	52,006
22732 07	Automobile and aircraft carpeting.....	68,935	430,807	67,175	399,054
	By fiber or face yarn:				
22732 11	Nylon.....	843,700	5,670,534	825,090	5,339,178
22732 13	Polyester.....	162,548	696,644	153,637	631,596
22732 19	All other.....	174,927	956,614	147,626	787,9864
	Fiber n.s.k.....	59,747	569,193	89,422	656,741
	Other carpet and rugs.....	66,291	238,828	762,674	7247,439
22733 10	Knitted.....	(0)	(0)	71,701	714,392
22733 20	Needle punched.....	54,311	159,073	50,537	160,282
22733 30	Felt.....	(0)	(0)	-	-
22733 90	Braided, hooked, and other carpet and rugs n.e.c.....	11,068	69,611	10,436	72,765

- Represents zero.
elsewhere classified.(D) Data withheld to avoid disclosing figures for individual companies. N.e.c. Not
elsewhere classified. N.s.k. Not specified by kind.

Revised by 5 percent or more from previously published

figures.

Table 3. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF CARPET AND RUGS: 1988 AND 1987

(Quantity in millions of square yards; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1988													
22731	Carpet and rugs.....	1,328.2	8,418.1	65.7	331.6	4.9	3.9	42.7	400.7	1,305.2	8,487.2	3.3	4.7
22732	Woven carpet and rugs.....	21.0	286.3	17.5	81.2	83.3	28.4	10.8	163.0	14.3	368.1	75.5	44.3
22733	Tufted carpet and rugs.....	1,240.9	7,893.0	39.5	205.4	3.2	2.6	13.8	123.9	1,215.2	7,811.5	1.1	1.6
	Other carpet and rugs.....	66.3	238.8	8.7	45.0	13.1	18.8	18.1	113.8	75.7	307.6	23.9	37.0
1987													
22731	Carpet and rugs.....	1,297.3	7,929.1	41.5	214.8	3.2	2.9	42.6	381.2	1,298.4	8,095.5	3.2	4.7
22732	Woven carpet and rugs.....	18.9	266.3	8.0	45.8	42.3	17.2	10.9	160.2	21.8	380.7	50.0	42.1
22733	Tufted carpet and rugs.....	1,215.8	7,415.4	28.8	147.7	2.4	2.0	14.4	113.8	1,201.4	7,381.4	1.2	1.5
	Other carpet and rugs.....	62.7	247.4	4.7	21.3	7.5	8.6	17.3	107.2	75.3	333.3	22.9	32.2

Note: For comparison of SIC-based codes with Schedule B export numbers and TSUSA import numbers, see table 4.

¹ Source: Bureau of the Census report EM 546, U.S. Exports.² Source: Bureau of the Census report IM 146, U.S. Imports for Consumption.³ This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.⁴ Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 4. COMPARISON OF SIC CODES, TSUSA IMPORT NUMBERS, AND SCHEDULE B EXPORT NUMBERS

Product code	Product description	Import number				Export number																							
		360.2000	360.2500	360.3000	360.3500	360.3600	360.4000	360.4215	360.4225	360.4330	360.4335	360.4500	360.4700	360.4815	360.4825	360.4830	360.4835	360.4850	360.4855										
22731	Woven carpet and rugs.....	360.2000	360.2500	360.3000	360.3500	360.3600	360.4000	360.4215	360.4225	360.4330	360.4335	360.4500	360.4700	360.4815	360.4825	360.4830	360.4835	360.4850	360.4855										
22732	Tufted carpet and rugs.....	360.6500	360.7000	360.7600	360.7700	360.7800	360.7900	360.8100	360.8200	360.8300	360.8400	361.9000	360.8010	360.8021	360.8041	360.8061	360.8081												
22733	Other carpet and rugs.....	361.0510	361.0520	361.0530	361.0540	361.0700	361.1000	361.1820	361.1840	361.2100	361.2300	361.2405	361.2410	361.2600	361.4200	361.4300	361.4500	361.4600	361.4800	361.5000	361.5200	361.5300	361.5420	361.5430	361.6000	361.7010	361.7020	361.7030	361.7060

Source: Bureau of the Census, IM 146, U.S. Imports for Consumption.

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers all companies manufacturing carpet and rugs in the United States, except very small companies (generally less than 5 employees), for which 1982 Census of Manufactures data were derived from administrative records of other Government agencies.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census annual Form MA22Q, Carpet and Rugs. The survey panel includes all known manufacturers of carpet and rugs (except those very small firms excluded from the scope of the survey). Approximately 240 companies are included.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on yearly movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

Rewvisions to Previous Period Data. Statistics for previous years may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Adjustment for Price Change. All dollar figures included in this publication are in current dollars; i.e., they have not been adjusted for price change.

EXPLANATION OF TERMS

Quantity and Value of Shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable sales to unaffiliated customers; i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

Valuation. There are different methods of valuation for the three types of data:

- **Domestic Output.** Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.
- **Exports.** Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.

Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.

- **Imports.** Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

Duplication in Quantity and Value of Output. Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may

contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

Low-Value Import and Export Transactions. Detailed commodity information is not included for individual export shipments valued at not more than \$1,500. Generally, detailed commodity information is not included for individual import shipments valued at not more than \$1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than \$250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Exports. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of the U.S. customs territory (the 50 States, the District of Columbia, and Puerto Rico). They do not include movements between the United States and its possessions. Domestic output (shipments) data exclude Puerto Rico and other outlying areas.

HISTORICAL NOTES

Data on carpets and rugs have been collected by the Bureau of the Census since 1968. Historical data may be obtained from Current Industrial Reports available at

your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2271
Boston, Massachusetts	(617) 223-2327
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 236-2200
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(816) 374-4601
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 442-7828

Historical data are also available on microfiche. For further information contact the Bureau of the Census, Data User Services Division, (301) 763-4100.

RELATED REPORTS

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System</i>
MQ22T	Quarterly	<i>Broadwoven Fabrics (Gray)</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
<i>Other Industry Reports</i>		
M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufacturers (ASM)</i>

Series	Frequency	Title	Subject Area	Contact	Phone Number
(MC)	Quinquen-nially	Census of Manufactures	Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
Foreign Trade Reports					
EM 546	Monthly	<i>U.S. Exports—Schedule B—Commodity by Country</i>	To order a Current Industrial Report	Superintendent of Documents (GPO)	(202) 783-3238
FT 446	Annually		To subscribe to a Census Bureau publication	Superintendent of Documents (GPO)	(202) 275-3054
IM 146	Monthly	<i>U.S. Imports for Consumption—TSUSA—Commodity by Country</i>			
FT 246	Annually				

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MA22Q	Robert Reinard	(301) 763-7536
Manufacturers' Shipments, Inventories and Orders	Kathleen Menth	(301) 763-2575
Classification Systems Comparability	Francis McCormick (ESD)	(301) 763-1935
Census/ASM	Ted McGrath	(301) 763-5132

ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Tom Flood, Chief, Current Nondurables Branch, and Judy Dodds, Chief, Textile and Apparel Section. Ed Maurer was directly responsible for the review and preparation of this report. Gaylord Worden, Chief, of the Division, and Robert N. Tinari, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.

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1987 Industry and Product Classification Manual

(1987 SIC basis)

EC87-R-3



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THE INDUSTRY AND PRODUCT CLASSIFICATION

MANUAL, until this 1987 edition, was an internal Bureau of the Census reference document used primarily to assign SIC-based codes to industries and products for the economic censuses and current surveys. Because of data users' interest and many requests, the Census Bureau is making this publication available to the public.

This publication is widely used within the economic area of the Census Bureau to provide consistent assignment of industry codes. This publication will provide coding information as related to the Census Bureau's economic programs and can be a valuable adjunct resource document to the 1987 SIC Manual.

One of the major highlights of this publication is the subdivision of the 1987 SIC Manual's four-digit industries into greater detail for the Transportation, Communications, Electric, Gas, and Sanitary Services; Wholesale Trade; Retail Trade; and Services Divisions. Other highlights include the following:

- Industrial coverage of the Economic and Agriculture Censuses described within the context of each SIC division.
- Information on report forms used in collecting data for the Census Bureau's economic programs.
- Census Bureau's interpretation, in applying the establishment concept as defined in the 1987 SIC Manual.
- Narrative descriptions and establishment concepts of each SIC division including discussions on borderline activities which may or may not be covered within that division.
- A list of the industry codes, titles, and census form numbers used to collect data by industry, for each SIC division.
- An alphabetic index to industries for various activities and products, for each SIC division.
- A separate section on auxiliary establishments.



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C
3.158:

Carpet and Rugs

U.S. Department of Commerce
BUREAU OF THE CENSUS

FIRST QUARTER 1989

MQ22Q(89)-1
Issued June 1989

The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of carpet and rugs excluding tufted roll goods. Estimates are included for companies whose reports were not

received in time for tabulation. A description of the survey methodology and related information appears on page 3.

Table 1. SUMMARY OF SHIPMENTS OF SELECTED CARPET AND RUGS: 1989 AND 1988

Quarter and year	Quantity	Value
1989		
First quarter.....	66,634	356,760
1988		
Fourth quarter.....	64,477	346,357
Third quarter.....	67,883	370,078
Second quarter.....	75,976	408,076
First quarter.....	73,411	397,326

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Table 2. SHIPMENTS OF SELECTED CARPET AND RUGS: 1989

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	First quarter 1989		Fourth quarter 1988		Year-to-date	
		Quantity	Value	Quantity	Value	Quantity	Value
	Selected carpet and rugs.....	66,634	356,760	64,477	346,357	66,634	356,760
22731 00	Woven carpet and rugs.....	3,416	53,815	4,463	66,168	3,416	53,815
22732 01	Tufted scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	22,895	114,906	23,832	112,306	22,895	114,906
22732 05	Tufted artificial grass for nonathletic surface.....	4,623	11,184	2,802	7,533	4,623	11,184
22732 07	Tufted automobile and aircraft carpeting.....	18,841	118,356	18,286	107,720	18,841	118,356
22733 10	Knitted carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 20	Needle pinched carpet and rugs.....	15,689	45,689	14,190	40,209	15,689	45,689
22733 30	Felt carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 90	Braided, hooked, and other carpet and rugs n.e.c.....	817	9,630	674	9,494	817	9,630

(D) Data withheld to avoid disclosing figures for individual companies.

N.e.c. Not elsewhere classified.

Table 3. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED CARPET AND RUGS: 1989

(Quantity in millions of square yards; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise ¹		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value at port	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
FIRST QUARTER 1989													
22731	Woven carpet and rugs.....	2.9	53.8	1.6	11.9	56.0	22.1	7.9	52.0	9.2	93.9	86.3	55.4
22733	Carpet and rugs not tufted or woven.....	37.9	244.4	2.5	14.7	6.6	6.0	0.8	2.4	36.2	232.1	2.2	1.0
FOURTH QUARTER 1988													
22731	Woven carpet and rugs.....	3.7	66.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
22733	Carpet and rugs not tufted or woven.....	40.2	282.5	2.7	14.7	6.7	5.2	3.4	14.8	40.9	282.6	8.3	5.1

Note: For comparison of SIC-based codes with Schedule B export numbers and HTSUSA import numbers, see table 4.

(NA) Not available.

¹Source: Bureau of the Census report EM 522, U.S. Exports.²Source: Bureau of the Census report IM 145, U.S. Imports for Consumption.³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 4. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989

Product code	Product description	Export number ¹	Import number ¹
22731	Woven carpet and rugs.....	5702.10.0000-5702.99.0000	{ 5702.10.1000-5702.10.9090, 5702.31.1000-5702.99.2000
22733	Carpet and rugs not tufted or woven.....	{ 5704.10.0000, 5704.90.0000, 5705.00.0000	5704.10.0000, 5704.90.0000, 5705.00.1000

¹Source: 1989 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.²Source: Harmonized Tariff Schedule of the United States, Annotated (1989).

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers all companies manufacturing carpet and rugs, other than tufted roll goods, in the United States, except very small companies (generally less than 5 employees), for which 1982 Census of Manufactures data were derived from administrative records of other Government agencies. Information on tufted roll goods is included in the annual survey, MA22Q, *Carpet and Rugs*.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22Q, Carpet and Rugs. The survey panel includes all known manufacturers of selected types of carpet and rugs (except those very small firms excluded from the scope of the survey). Since this survey does not cover tufted roll goods, makers of those carpets were excluded from the panel. Approximately 85 companies are included.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 5 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

Rewvisions to Previous Period Data. Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late

reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Adjustment for Price Change. All dollar figures included in this publication are in current dollars; i.e., they have not been adjusted for price change.

EXPLANATION OF TERMS

Quantity and Value of Shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.

- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.
- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuation of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charge and excise taxes. Exports are valued at the point of exportation. It includes the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.
- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$1,500 for exports and \$1,000 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

RELATED REPORTS

An annual Current Industrial Report also is published in this series. The annual report summarizes quarterly figures and incorporates known revisions for both the current and previous years. It also provides a single reference copy to replace the quarterly publications.

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>

Series	Frequency	Title
MQ22T	Quarterly	<i>Broadwoven Fabrics (Gray)</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>

Other Industrial Reports

M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufactures (ASM)</i>
(MC)	Quinquennially	<i>Census of Manufactures</i>

Foreign Trade Reports

EM 522	Monthly	<i>U.S. Exports—Schedule B—Commodity by Country</i>
FT 446	Annually	<i>U.S. Imports for Consumption—HTSUSA—Commodity by Country</i>
IM 145	Monthly	
FT 246	Annually	

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Reports MQ22Q	David Ryan	(301) 763-7807
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575
Census/ASM	Ted McGrath	(301) 763-5152
Classification Systems Comparability	Francis McCormick (ESD)	(301) 763-1935
Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
Office of Textiles	Jim Bennett	(202) 377-4058
To order a Current Industrial Report	Superintendent of Documents (GPO)	(202) 783-3238
To subscribe to a Census Bureau publication	Superintendent of Documents (GPO)	(202) 275-3054

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CURRENT INDUSTRIAL REPORTS

Carpet and Rugs

U.S. Department of Commerce
BUREAU OF THE CENSUS

SECOND QUARTER 1989

MQ22Q(89)-2

Issued September 1989

The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of carpet and rugs excluding tufted roll goods. Estimates are included for companies whose reports were not received in time for tabulation.

A description of the survey methodology and related information may be found in the first quarter 1989 report for this series, MQ22Q(89)-1, issued June 1989.

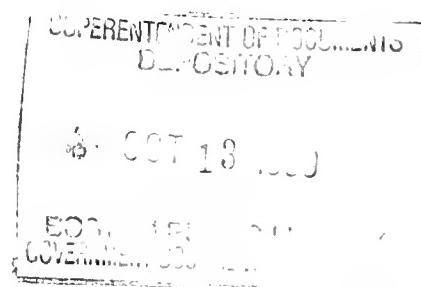


Table 1. SUMMARY OF SHIPMENTS OF SELECTED CARPET AND RUGS: 1989 AND 1988

Quarter and year	Quantity	Value
1989		
Second quarter.....	65,944	351,219
First quarter.....	62,120	341,840
1988		
Fourth quarter.....	64,477	346,357
Third quarter.....	67,883	370,078
Second quarter.....	75,976	408,076
First quarter.....	73,411	397,326

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Table 2. SHIPMENTS OF SELECTED CARPET AND RUGS: 1989

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	Second quarter 1989		First quarter 1988		Year-to-date	
		Quantity	Value	Quantity	Value	Quantity	Value
	Selected carpet and rugs.....	65,944	351,219	62,120	341,840	128,064	693,059
22731 00	Woven carpet and rugs.....	3,615	58,820	3,455	54,949	7,070	113,769
22732 01	Tufted scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	21,918	104,246	22,115	114,906	44,033	219,152
22732 05	Tufted artificial grass for nonathletic surface.....	7,267	15,821	4,686	11,360	11,953	27,181
22732 07	Tufted automobile and aircraft carpeting.....	15,595	106,672	15,068	101,663	30,663	208,335
22733 10	Knitted carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 20	Needle punched carpet and rugs.....	16,436	51,788	15,691	45,777	32,127	97,565
22733 30	Felt carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 90	Braided, hooked, and other carpet and rugs n.e.c.....	765	9,523	818	9,638	1,583	19,161

(D) Data withheld to avoid disclosing figures for individual companies. N.e.c. Not elsewhere classified. ^rRevised by 5 percent or more from previously published figures.

Table 3. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED CARPET AND RUGS: 1989

(Quantity in millions of square meters; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
SECOND QUARTER 1989													
22731	Woven carpet and rugs.....	3.0	58.8	1.0	12.0	33.3	20.4	8.6	60.1	10.6	106.9	81.1	56.2
22733	Carpet and rugs not tufted or woven.....	14.7	65.7	2.3	14.6	15.6	22.2	1.0	3.0	13.4	54.1	7.5	5.5
FIRST QUARTER 1989													
22731	Woven carpet and rugs.....	2.9	54.9	1.6	11.9	55.2	21.7	7.9	52.0	9.2	95.0	85.9	54.7
22733	Carpet and rugs not tufted or woven.....	14.1	59.0	2.5	14.7	17.7	24.9	0.8	2.4	12.4	46.7	6.5	5.1

Note: For comparison of SIC-based codes with Schedule B export numbers and HTSUSA import numbers, see table 4.

¹Source: Bureau of the Census report EM 522, U.S. Exports.

²Source: Bureau of the Census report IM 145, U.S. Imports for Consumption.

³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 4. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989

Product code	Product description	Export number ¹	Import number ¹
22731	Woven carpet and rugs.....	5702.10.0000-5702.99.0000	{5702.10.1000-5702.10.9090, 5702.31.1000-5702.99.2000}
22733	Carpet and rugs not tufted or woven.....	{5704.10.0000, 5704.90.0000, 5705.00.0000}	5704.10.0000, 5704.90.0000, 5705.00.1000

¹Source: 1989 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

²Source: Harmonized Tariff Schedule of the United States, Annotated (1989).

Carpet and Rugs

3.158:MQ 22 Q(89)-3
Current Industrial Reports,...

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THIRD QUARTER 1989

MQ22Q(89)-3
Issued January 1990

The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of carpet and rugs excluding tufted roll goods. Estimates are included for companies whose reports were not received in time for tabulation.

A description of the survey methodology and related information may be found in the first quarter 1989 report for this series, MQ22Q(89)-1, issued June 1989.

Table 1. SUMMARY OF SHIPMENTS OF SELECTED CARPET AND RUGS: 1989 AND 1988

Quarter and year	Quantity	Value
1989		
Third quarter.....	55,774	325,915
Second quarter.....	67,956	371,105
First quarter.....	62,120	341,840
1988		
Fourth quarter.....	64,477	346,357
Third quarter.....	67,883	370,078
Second quarter.....	75,976	408,076
First quarter.....	73,411	397,326

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Table 2. SHIPMENTS OF SELECTED CARPET AND RUGS: 1989

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	Third quarter 1989		Second quarter 1989		Year-to-date	
		Quantity	Value	Quantity	Value	Quantity	Value
	Selected carpet and rugs.....	55,774	325,915	67,956	371,105	185,850	1,038,860
22731 00	Woven carpet and rugs.....	4,500	67,458	4,210	66,124	12,165	188,531
22732 01	Tufted scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	22,295	101,040	22,167	106,368	66,577	322,314
22732 05	Tufted artificial grass for nonathletic surface.....	2,626	7,638	7,846	17,325	15,158	36,323
22732 07	Tufted automobile and aircraft carpeting.....	11,893	85,221	15,595	106,672	42,556	293,556
22733 10	Knitted carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 20	Needle punched carpet and rugs.....	12,041	40,688	15,826	49,662	43,558	136,127
22733 30	Felt carpet and rugs.....	(D)	(D)	(D)	(D)	(D)	(D)
22733 90	Braided, hooked, and other carpet and rugs n.e.c.....	1,423	12,886	1,326	12,899	3,567	35,423

(D) Data withheld to avoid disclosing figures for individual companies.

N.e.c. Not elsewhere classified.

^rRevised by 5 percent or more from previously published figures.

Table 3. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED CARPET AND RUGS: 1989

(Quantity in millions of square meters; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quan- tity	Value at port	Quan- tity	Value	Quan- tity	Value ³	Quantity	Value	Quan- tity	Value
THIRD QUARTER 1989													
22731	Woven carpet and rugs.....	4.5	67.5	1.0	9.9	22.2	14.6	11.0	54.3	14.5	111.9	75.8	48.5
22733	Carpet and rugs not tufted or woven.....	14.5	64.6	1.6	10.1	11.0	15.6	0.8	2.1	13.7	55.7	5.8	3.7
SECOND QUARTER 1989													
22731	Woven carpet and rugs.....	4.2	66.1	1.0	12.0	23.8	18.1	8.6	60.1	11.8	114.2	72.8	52.6
22733	Carpet and rugs not tufted or woven.....	18.1	78.6	2.3	14.6	12.7	18.5	1.0	3.0	16.8	67.0	5.9	4.4

Note: For comparison of SIC-based codes with Schedule B export numbers and HTSUSA import numbers, see table 4 of the first quarter 1989 report, MQ22Q(89)-1, issued June 1989.

^rRevised by 5 percent or more from previously published figures.

¹Source: Bureau of the Census report EM 522, U.S. Exports.

²Source: Bureau of the Census report IM 145, U.S. Imports for Consumption.

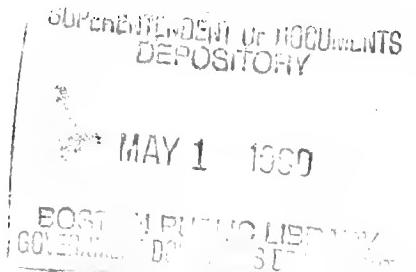
³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.



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Current Industrial Reports,...

U.S. Department of Commerce
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Carpet and Rugs

FOURTH QUARTER 1989

MQ22Q(89)-4
Issued March 1990

The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of carpet and rugs excluding tufted roll goods. Estimates are included for companies whose reports were not

received in time for tabulation.

A description of the survey methodology and related information may be found in the first quarter 1989 report for this series, MQ22Q(89)-1, issued June 1989.

Table 2. SHIPMENTS OF SELECTED CARPET AND RUGS: 1989

(Quantity in thousands of square yards, value in thousands of dollars)

Product code	Product description	Fourth quarter 1989		Third quarter 1989		Year-to-date	
		Quantity	Value	Quantity	Value	Quantity	Value
	Selected carpet and rugs.....	50,138	329,221	46,089	319,090	226,303	1,361,256
22731 00	Woven carpet and rugs.....	4,253	62,538	4,603	68,501	16,521	252,112
22732 01	Tufted scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	12,673	92,335	12,326	91,550	69,241	405,159
22732 05	Tufted artificial grass for nonathletic surface.....	2,124	5,852	2,626	7,632	17,282	42,169
22732 07	Tufted automobile and aircraft carpeting.....	14,055	98,992	11,893	85,221	56,611	392,548
22733 10	Knitted carpet and rugs.....	(D)	(D)	(D)	(D)	2,650	31,486
22733 20	Needle punched carpet and rugs.....	14,578	45,730	12,041	40,688	58,136	181,857
22733 30	Felt carpet and rugs.....	(D)	(D)	(D)	(D)	184	1,511
22733 90	Braided, hooked, and other carpet and rugs n.e.c.....	1,840	16,903	1,654	14,974	5,638	54,414

(D) Data withheld to avoid disclosing figures for individual companies. N.e.c. Not elsewhere classified. Revised by 5 percent or more from previously published figures.

¹Tufted scatter rugs, bathmats, and sets have been revised for second and first quarters 1989. The revised numbers are: second quarter quantity 14,159, value 95,544; first quarter quantity 13,410, value 103,140.

Table 3. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED CARPET AND RUGS: 1989

(Quantity in millions of square meters; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise ¹		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value at port	Quantity	Value	Quantity	Value ³	Quantity	Value	Quantity	Value
	FOURTH QUARTER 1989												
22731	Woven carpet and rugs.....	4.3	62.5	1.0	10.9	23.2	17.4	9.0	57.1	12.3	108.7	73.1	52.5
22733	Carpet and rugs not tufted or woven.....	17.1	69.5	1.9	13.0	11.1	18.7	0.8	3.5	16.0	60.0	5.0	5.8
	THIRD QUARTER 1989												
22731	Woven carpet and rugs.....	4.6	68.5	1.0	9.9	21.7	14.4	11.0	54.3	14.6	112.9	75.3	48.0
22733	Carpet and rugs not tufted or woven.....	14.7	66.6	1.6	10.1	10.8	15.1	0.8	2.1	13.9	58.6	5.7	3.5

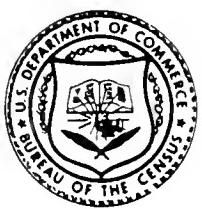
Note: For comparison of SIC-based codes with Schedule 8 export numbers and HTSUSA import numbers, see table 4 of the first quarter 1989 report, MQ22Q(89)-1, issued June 1989.

¹Source: Bureau of the Census report EM 522, U.S. Exports.²Source: Bureau of the Census report IM 145, U.S. Imports for Consumption.³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

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3.158:MA 22 Q(89)-1

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Carpet and Rugs

1989

MA22Q(89)-1
Issued September 1990U.S. Department of Commerce
BUREAU OF THE CENSUS**SUMMARY OF FINDINGS**

Total value of shipments of carpet and rugs increased 2.4 percent in 1989 to \$8,622.3 million from \$8,417.3 million in 1988. Quantity of shipments increased slightly

from \$1,324.0 million square yards in 1988 to \$1,345.5 million in 1989. The average unit price for total carpeting increased from \$6.36 to \$6.41.

A description of the survey methodology and related information appears on page 4.

Table 1. SHIPMENTS OF CARPET AND RUGS: 1979 TO 1989

(Millions of dollars)

Year	Rugs, carpet and carpeting	Woven carpet and rugs	Tufted carpet and rugs	Other carpet and rugs
989.....	8,622.3	298.3	8,071.2	252.8
988.....	8,417.3	286.3	7,891.3	239.7
987.....	7,929.1	266.3	7,415.4	247.4
986.....	7,311.6	240.2	6,890.0	181.4
985.....	6,605.7	227.8	6,224.7	153.2
984.....	6,461.5	215.6	6,088.2	157.7
983.....	6,045.3	219.7	5,656.8	168.8
982.....	4,960.8	194.7	4,621.1	145.0
981.....	5,250.4	178.6	4,956.5	115.4
980.....	4,913.8	197.8	4,617.5	98.6
979.....	5,099.1	200.4	4,805.3	93.4

Note: Detail may not add to total due to independent rounding.

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Table 2. SHIPMENTS OF CARPET AND RUGS: 1989 AND 1988

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	1989		1988	
		Quantity	Value	Quantity	Value
	Total.....	1,345,458	8,622,265	1,324,003	8,417,316
22731 00	Woven carpet and rugs.....	23,846	298,317	20,977	286,284
	Tufted carpet and rugs.....	1,252,889	8,071,189	1,237,038	7,891,337
22732 01	By type:				
	Scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	51,538	397,123	55,707	396,920
22732 03	Roll goods and rugs larger than 6' x 9', excluding artificial grass.....	1,111,594	7,114,908	1,092,453	7,013,054
22732 05	Tufted artificial grass for nonathletic surface.....	17,774	45,856	19,943	50,556
22732 07	Automobile and aircraft carpeting.....	71,983	513,302	68,935	430,807
	By fiber of face yarn:				
22732 11	Nylon.....	971,361	6,632,254	921,881	6,245,559
22732 13	Polyester.....	101,230	527,311	112,783	577,392
22732 19	All other.....	180,161	908,060	190,725	977,492
	Fiber o.s.k.....	137	3,564	11,649	90,894
	Other carpet and rugs.....	68,723	252,759	65,988	239,695
22733 10	Knitted.....	(D)	(D)	(D)	(D)
22733 20	Needle punched.....	57,040	172,142	54,311	159,073
22733 30	Felt.....	(D)	(D)	(D)	(D)
22733 90	Braided, hooked, and other carpet and rugs o.e.c.....	10,656	69,262	10,681	69,636

(D) Data withheld to avoid disclosing figures for individual companies. N.e.c. Not elsewhere classified.
N.s.k. Not specified by kind. *Revised by 5 percent or more from previously published figures.

Table 3. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF CARPET AND RUGS: 1989 AND 1988

(Quantity in millions of square yards; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise ¹		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ³		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1989													
22731	Carpet and rugs.....	1,345.5	8,622.3	65	375.5	4.8	4.4	73	684.4	1,353.5	8,931.2	5.4	7.7
22732	Woven carpet and rugs.....	23.8	298.3	5	44.5	21.0	14.9	40	238.4	58.8	492.2	68.0	48.4
22732	Tufted carpet and rugs.....	1,252.9	8,071.2	43	231.2	3.4	2.9	20	113.8	1,229.9	7,953.8	1.6	1.4
22733	Other carpet and rugs.....	68.7	252.8	17	99.8	24.7	39.5	13	332.2	64.7	485.2	20.1	68.5
1988													
22731	Carpet and rug.....	1,324.0	8,417.3	65.7	331.6	5.0	3.9	42.7	400.7	1,301.0	8,486.4	3.3	4.7
22732	Woven carpet and rug.....	21.0	286.3	17.5	81.2	83.3	28.4	10.8	163.0	14.3	368.1	75.5	44.3
22732	Tufted carpet and rug.....	1,237.0	7,891.3	39.5	205.4	3.2	2.6	13.8	123.9	1,211.3	7,809.8	1.1	1.6
22733	Other carpet and rug.....	66.0	239.7	8.7	45.0	13.1	18.8	18.1	113.8	75.4	308.5	24.0	36.9

Note: For comparison of SIC-based codes with Schedule B export numbers and HTSUSA import numbers, see table 4.

¹Source: Bureau of the Census report EM 546, U.S. Exports.²Source: Bureau of the Census report IM 146, U.S. Imports for Consumption.³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 4. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH
SCHEOULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989

Product code	Product description	Export number ¹	Import number ²
22731 00	Woven carpet and rugs.....	5702.10.0000 5702.20.0000 5702.31.0000 5702.32.0000 5702.39.0000 5702.41.0000 5702.42.0000 5702.49.0000 5702.51.0000 5702.52.0000 5702.59.0000 5702.91.0000 5702.92.0000 5702.99.0000	5702.10.1000 5702.10.9010 5702.10.9020 5702.10.9030 5702.10.9090 5702.20.1000 5702.20.2000 5702.31.1000 5702.31.2000 5702.32.1000 5702.32.2000 5702.39.1000 5702.39.2010 5702.39.2090 5702.41.1000 5702.41.2000 5702.42.1000 5702.42.2010 5702.42.2090 5702.49.1010 5702.49.1090 5702.49.1500 5702.49.2000 5702.51.2000 5702.51.4000 5702.52.0000 5702.59.1000 5702.59.2000 5702.91.2000 5702.91.3000 5702.91.4000 5702.92.0010 5702.92.0090 5702.99.1010 5702.99.1090 5702.99.2000
22732 11	Tufted carpet and rugs, by fiber: Nylon.....	5703.20.0000	{ 5703.20.1000 5703.20.2010 5703.20.2090
22732 13	Polyester.....	5703.10.0000	5703.10.0000
22732 19	All other.....	5703.30.0000 5703.90.0000	{ 5703.30.0010 5703.30.0090 5703.90.0000
22733 10	Other carpet and rugs: Knitted.....	5701.10.0000	5701.10.1300
22733 20	Needle punched.....	5701.90.0000	5701.10.1600
22733 90	Braided, hooked, and other carpet and rugs n.e.c.....	5705.00.0000	5701.10.2010 5701.10.2090 5701.90.1010 5701.90.1020 5701.90.1030 5701.90.1090 5701.90.2010 5701.90.2020 5701.90.2030 5701.90.2090 5705.00.1000 5705.00.2010 5705.00.2020 5705.00.2030 5705.00.2090
22733 30	Felt.....	{ 5704.10.0000 5704.90.0000	5704.10.0000 5704.90.0000

N.e.c. Not elsewhere classified.

¹Source: 1989 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

²Source: Harmonized Tariff Schedule of the United States, Annotated (1989).

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers all companies manufacturing carpet and rugs in the United States, except very small companies (generally less than 5 employees), for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census annual Form MA22Q, Carpet and Rugs. The survey panel includes all known manufacturers of carpet and rugs (except those very small firms excluded from the scope of the survey). Approximately 240 companies are included.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on yearly movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

Revisions to Previous Period Data. Statistics for previous years may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Adjustment for Price Change. All dollar figures included in this publication are in current dollars; i.e., they have not been adjusted for price change.

EXPLANATION OF TERMS

Quantity and Value of Shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable sales to unaffiliated customers; i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of

the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.

- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuation of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charges and excise taxes. Exports are valued at the point of exportation. It includes the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.
- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$1,500 for exports and \$1,000 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

HISTORICAL NOTES

Data on carpets and rugs have been collected by the Bureau of the Census since 1968. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2271
Boston, Massachusetts	(617) 565-7100
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 286-2200
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(913) 236-3728
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 442-7800

Historical data are also available on microfiche. For further information contact the Bureau of the Census, Data User Services Division, (301) 763-4100.

RELATED REPORTS

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
MQ22D	Quarterly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System</i>
MQ22T	Quarterly	<i>Broadwoven Fabrics (Gray)</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
<i>Other Industry Reports</i>		
M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufactures (ASM)</i>
(MC)	Quinquennially	<i>Census of Manufactures</i>
<i>Foreign Trade Reports</i>		
EM 522	Monthly	<i>U.S. Exports—Schedule B—Commodity by Country</i>
FT 446	Annually	
IM 145	Monthly	<i>U.S. Imports for Consumption—HTSUSA—Commodity by Country</i>
FT 246	Annually	
CONTACTS FOR DATA USERS		
Subject Area	Contact	Phone Number
Current Industrial Reports MA22Q	Robert Reinard	(301) 763-7536
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575
Classification Systems Comparability	Francis McCormick (ESD)	(301) 763-1935
Census/ASM	Ted McGrath	(301) 763-5152
Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140

Subject Area	Contact	Phone Number	ACKNOWLEDGMENTS
To order a Current Industrial Report	Superintendent of Documents (GPO)	(202) 783-3238	This report was prepared in the Industry Division, Bureau of the Census, under the direction of Tom Flood, Chief, Current Nondurables Branch, and Robert Reinard, Chief, Textile and Apparel Section. Andrew Kraynak was directly responsible for the review and preparation of this report. Gaylord Worden, Chief, of the Division, and Robert N. Tinari, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.
To subscribe to a Census Bureau publication	Superintendent of Documents (GPO)	(202) 275-3054	

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Carpet and Rugs

U.S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

1990

MA22Q(90)-1
Issued August 1991

SUMMARY OF FINDINGS

Total value of shipments of carpet and rugs increased 1.1 percent in 1990 to \$8,525.9 million from \$8,431.1 million in 1989. Quantity of shipments increased 2.3

percent in 1990 to 1,348.4 million square yards from \$1,317.8 million square yards in 1989. The average unit price for total carpeting decreased from \$6.39 to \$6.32.

A description of the survey methodology and related information appears on page 4.

Table 1. SHIPMENTS OF CARPET AND RUGS: 1980 TO 1990

(Millions of dollars)

Year	Rugs, carpet and carpeting	Woven carpet and rugs	Tufted carpet and rugs	Other carpet and rugs
1990.....	8,525.9	304.2	7,999.5	222.3
1989.....	8,431.1	299.0	7,932.8	199.3
1988.....	8,417.3	286.3	7,891.3	239.7
1987.....	7,929.1	266.3	7,415.4	247.4
1986.....	7,311.6	240.2	6,890.0	181.4
1985.....	6,605.7	227.8	6,224.7	153.2
1984.....	6,461.5	215.6	6,088.2	157.7
1983.....	6,045.3	219.7	5,656.8	168.8
1982.....	4,960.8	194.7	4,621.1	145.0
1981.....	5,250.4	178.6	4,956.5	115.4
1980.....	4,913.8	197.8	4,617.5	98.6

Note: Detail may not add to total due to independent rounding.

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Table 2. SHIPMENTS OF CARPET AND RUGS: 1990 AND 1989

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	1990		1989	
		Quantity	Value	Quantity	Value
	Total	1,348,388	8,525,945	1,317,799	8,431,130
22731 00	Woven carpet and rugs	24,064	304,228	23,858	299,010
	Tufted carpet and rugs.....	1,257,752	7,999,466	1,232,702	7,932,825
22732 01	By type:				
	Scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller)	56,385	386,453	49,273	377,112
22732 03	Roll goods and rugs larger than 6' x 9', excluding artificial grass.....	1,113,369	7,114,927	1,100,621	7,078,044
22732 05	Tufted artificial grass for nonathletic surface	21,204	53,001	17,774	45,856
22732 07	Automobile and aircraft carpeting.....	66,794	445,085	65,034	431,813
	By fiber of face yarn:				
22732 11	Nylon	960,846	6,560,265	935,109	6,503,607
22732 13	Polyester	124,437	570,248	125,070	577,087
22732 19	All other	172,469	868,953	172,523	852,131
	Fiber n.s.k.....			-	
22733 10	Other carpet and rugs.....	66,572	222,251	61,239	199,295
22733 20	Knitted	(D)	(D)	(D)	(D)
22733 30	Needle punched.....	54,911	136,095	49,556	118,678
22733 90	Felt.....	(D)	(D)	(D)	(D)
	Braided, hooked, and other carpet and rugs, n.e.c.	10,757	74,724	10,656	69,262

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N.e.c. Not elsewhere classified. N.s.k. Not specified by kind.

Table 3. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF CARPET AND RUGS: 1990 AND 1989

(Quantity in millions of square yards; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise ¹		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value at port	Quantity	Value	Quantity	Value ³	Quantity	Value	Quantity	Value
1990													
22731	Carpet and rugs.....	1,348.4	8,525.9	86.0	451.6	6.4	5.3	121.0	668.6	1,383.4	8,742.9	8.7	7.6
22732	Woven carpet and rugs...	24.1	304.2	5	35.7	20.8	11.7	35	245	54.1	513.5	64.7	47.7
22732	Tufted carpet and rugs....	1,257.8	7,999.5	70	336.7	5.6	4.2	13	121.3	1,200.8	7,784.1	1.1	1.6
22733	Other carpet and rugs	66.6	222.3	11	79.2	16.5	35.6	73	302.3	128.6	445.4	56.8	67.9
1989													
22731	Carpet and rugs.....	1,317.8	8,431.1	65.0	375.5	4.9	4.5	73.0	684.4	1,325.8	8,740	5.5	7.8
22732	Woven carpet and rugs...	23.9	299.0	5	44.5	20.9	14.9	40	238.4	58.9	492.9	67.9	48.4
22732	Tufted carpet and rugs....	1,232.7	7,932.8	43	231.2	3.5	2.9	20	113.8	1,209.7	7,815.4	1.7	1.5
22733	Other carpet and rugs	61.2	199.3	17	99.8	27.8	50.1	13	332.2	57.2	431.7	22.7	77.0

Note: For comparison of SIC-based codes with Schedule B export numbers and HTSUSA import numbers, see table 4.

¹Source: Bureau of the Census report EM 545, U.S. Exports.²Source: Bureau of the Census report IM 145, U.S. Imports for Consumption.³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 4. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990

Product code	Product description	Export number ¹	Import number ²
22731 00	Woven carpet and rugs.....	5702.10.0000 5702.20.0000 5702.31.0000 5702.32.0000 5702.39.0000 5702.41.0000 5702.42.0000 5702.49.0000 5702.51.0000 5702.52.0000 5702.59.0000 5702.91.0000 5702.92.0000 5702.99.0000	5702.10.1000 5702.10.9010 5702.10.9020 5702.10.9030 5702.10.9090 5702.20.1000 5702.20.2000 5702.31.1000 5702.31.2000 5702.32.1000 5702.32.2000 5702.39.1000 5702.39.2010 5702.39.2090 5702.41.1000 5702.42.1000 5702.42.2010 5702.42.2090 5702.49.1010 5702.49.1090 5702.49.1500 5702.49.2000 5702.51.2000 5702.51.4000 5702.52.0000 5702.59.1000 5702.59.2000 5702.91.2000 5702.91.3000 5702.91.4000 5702.92.0010 5702.92.0090 5702.99.1010 5702.99.1090 5702.99.2000
22732 11	Tufted carpet and rugs, by fiber: Nylon	5703.20.0000	{ 5703.20.1000 5703.20.2010 5703.20.2090
22732 13 22732 19	Polyester All other.....	5703.10.0000 5703.30.0000 5703.90.0000	{ 5703.10.0000 5703.30.0010 5703.30.0090 5703.90.0000
22733 10 22733 20 22733 90	Other carpet and rugs: Knitted	5701.10.0000	5701.10.1300
	Needle punched.....	5701.90.0000	5701.10.1600
	Braided, hooked, and other carpet and rugs n.e.c.....	5705.00.0000	5701.10.2010 5701.10.2090 5701.90.1010 5701.90.1020 5701.90.1030 5701.90.1090 5701.90.2010 5701.90.2020 5701.90.2030 5701.90.2090 5705.00.1000 5705.00.2010 5705.00.2020 5705.00.2030 5705.00.2090
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N.e.c. Not elsewhere classified.

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The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
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the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.

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- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,250 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

HISTORICAL NOTES

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ACKNOWLEDGMENTS

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1991

MA22Q(91)-1
Issued July 1992**SUMMARY OF FINDINGS**

Total value of shipments of carpet and rugs decreased 6.9 percent in 1991 to \$7,937.1 million from \$8,527.1 million in 1990. Quantity of shipments decreased 7.7

percent in 1991 to 1,255.9 million square yards from 1,360.0 million square yards in 1990. The average unit price for total carpeting increased from \$6.27 to \$6.32.

A description of the survey methodology and related information appears on page 4.

Table 1. SHIPMENTS OF CARPET AND RUGS: 1981 TO 1991

(Millions of dollars)

Year	Rugs, carpet and carpeting	Woven carpet and rugs	Tufted carpet and rugs	Other carpet and rugs
1991.....	7,937.1	277.0	7,422.8	237.3
1990.....	8,527.1	293.2	7,977.5	256.4
1989.....	8,431.1	299.0	7,932.8	199.3
1988.....	8,417.3	286.3	7,891.3	239.7
1987.....	7,929.1	266.3	7,415.4	247.4
1986.....	7,311.6	240.2	6,890.0	181.4
1985.....	6,605.7	227.8	6,224.7	153.2
1984.....	6,461.5	215.6	6,088.2	157.7
1983.....	6,045.3	219.7	5,656.8	168.8
1982.....	4,960.8	194.7	4,621.1	145.0
1981.....	5,250.4	178.6	4,956.5	115.4

Note: Detail may not add to total due to independent rounding.

Table 2. SHIPMENTS OF CARPET AND RUGS: 1991 AND 1990

(Quantity in thousands of square yards; value in thousands of dollars)

Product code	Product description	1991		1990	
		Quantity	Value	Quantity	Value
	Total	1,255,876	7,937,057	1,360,043	8,527,153
22731 00	Woven carpet and rugs	20,615	276,961	23,257	293,202
	Tufted carpet and rugs.....	1,180,538	7,422,817	1,267,293	7,977,516
22732 01	By type:				
	Scatter rugs, bathmats, and sets (rugs 6' x 9' and smaller).....	61,921	415,495	76,702	436,708
22732 03	Roll goods and rugs larger than 6' x 9', excluding artificial grass	1,042,941	6,569,616	1,104,950	7,057,263
22732 05	Tufted artificial grass for nonathletic surface	18,210	40,318	21,104	51,692
22732 07	Automobile and aircraft carpeting.....	57,466	397,388	64,537	431,853
	By fiber of face yarn:				
22732 11	Nylon	873,945	5,887,814	962,240	6,507,968
22732 13	Polyester	127,094	570,673	132,067	594,112
22732 19	All other	179,499	964,330	172,986	875,436
	Fiber n.s.k.	-	-	-	-
22733 10	Other carpet and rugs	54,723	237,279	69,493	256,435
22733 20	Knitted	(D)	(D)	(D)	(D)
22733 30	Needle punched.....	44,901	123,091	55,865	142,164
22733 90	Felt.....	(D)	(D)	(D)	(D)
	Braided, hooked, and other carpet and rugs n.e.c.....	7,078	76,752	10,755	75,039

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies specified by kind.

'Revised by 5 percent or more from previously published figures.

N.e.c. Not elsewhere classified.

N.s.k. Not

Table 3. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF CARPET AND RUGS: 1991 AND 1990

(Quantity in millions of square meters; value and calculated import duty in millions of dollars)

Product code	Product description	Manufacturers' shipments		Exports of domestic merchandise ¹		Percent exports to manufacturers' shipments		Imports for consumption ²		Apparent consumption ⁴		Percent imports to apparent consumption	
		Quantity	Value	Quantity	Value at port	Quantity	Value	Quantity	Value ³	Quantity	Value	Quantity	Value
	1991												
22731	Carpet and rugs.....	1,050.0	7,937.1	103.7	697.7	9.9	8.8	48.5	656.7	994.8	7,896.1	4.9	8.3
22732	Woven carpet and rugs..	17.3	277.0	4.2	48.7	24.3	17.6	30.1	224.9	43.2	453.2	69.7	49.6
22733	Tufted carpet and rugs ..	987.0	7,422.8	89.5	558.7	9.1	7.5	10.9	119.2	908.4	6,983.3	1.2	1.7
	Other carpet and rugs ...	45.7	237.3	10.0	90.3	21.9	38.1	7.5	312.6	43.2	459.6	17.4	68.0
	1990												
22731	Carpet and rugs.....	1,137.2	8,527.1	71.9	451.6	6.3	5.3	101.2	668.6	1,166.5	8,744.1	8.7	7.6
22732	Woven carpet and rugs..	19.5	293.2	4.2	35.7	21.5	12.2	29.3	245.0	44.6	502.5	65.7	48.8
22733	Tufted carpet and rugs ..	1,059.6	7,977.5	58.5	336.7	5.5	4.2	10.9	121.3	1,012.0	7,762.1	1.1	1.6
	Other carpet and rugs ...	58.1	256.4	9.2	79.2	15.8	30.9	61.0	302.3	109.9	479.5	55.5	63.0

Note: For comparison of SIC-based codes with Schedule B export numbers and HTSUSA import numbers, see table 4.

¹Source: Bureau of the Census report EM 545, *U.S. Exports*.

²Source: Bureau of the Census report IM 145, *U.S. Imports for Consumption*.

³This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

⁴Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

Table 4. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991

Product code	Product description	Export number ¹	Import number ²
22731 00	Woven carpet and rugs	5702.10.0000 5702.20.0000 5702.31.0000 5702.32.0000 5702.39.0000 5702.41.0000 5702.42.0000 5702.49.0000 5702.51.0000 5702.52.0000 5702.59.0000 5702.91.0000 5702.92.0000 5702.99.0000	5702.10.1000 5702.10.9010 5702.10.9020 5702.10.9030 5702.10.9090 5702.20.1000 5702.20.2000 5702.31.1000 5702.31.2000 5702.32.1000 5702.32.2000 5702.39.1000 5702.39.2010 5702.39.2090 5702.41.1000 5702.41.2000 5702.42.1000 5702.42.2010 5702.42.2090 5702.49.1010 5702.49.1090 5702.49.1500 5702.49.2000 5702.51.2000 5702.51.4000 5702.52.0000 5702.59.1000 5702.59.2000 5702.91.2000 5702.91.3000 5702.91.4000 5702.92.0010 5702.92.0090 5702.99.1010 5702.99.1090 5702.99.2000
22732 11	Tufted carpet and rugs, by fiber: Nylon	5703.20.0000	5703.20.1000 5703.20.2010 5703.20.2090
22732 13 22732 19	Polyester All other	5703.10.0000 5703.30.0000 5703.90.0000	5703.10.0000 5703.30.0010 5703.30.0090 5703.90.0000
22733 10 22733 20 22733 90	Other carpet and rugs: Knitted Needle punched Braided, hooked, and other carpet and rugs n.e.c.	5701.10.0000 5701.90.0000 5705.00.0000	5701.10.1300 5701.10.1600 5701.10.2010 5701.10.2090 5701.90.1010 5701.90.1020 5701.90.1030 5701.90.1090 5701.90.2010 5701.90.2020 5701.90.2030 5701.90.2090 5705.00.1000 5705.00.2010 5705.00.2020 5705.00.2030 5705.00.2090
22733 30	Felt	5704.10.0000 5704.90.0000	5704.10.0000 5704.90.0000

N.e.c. Not elsewhere classified.

¹Source: 1991 edition, *Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States*.

²Source: *Harmonized Tariff Schedule of the United States, Annotated* (1991).

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers all companies manufacturing carpet and rugs in the United States, except very small companies (generally less than 5 employees), for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census annual Form MA22Q, Carpet and Rugs. The survey panel includes all known manufacturers of carpet and rugs (except those very small firms excluded from the scope of the survey). Approximately 200 companies are included.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on yearly movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

Rewvisions to Previous Period Data. Statistics for previous years may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Adjustment for Price Change. All dollar figures included in this publication are in current dollars; i.e., they have not been adjusted for price change.

EXPLANATION OF TERMS

Quantity and Value of Shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable sales to unaffiliated customers; i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of

the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.

- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuations of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charges and excise taxes. Exports are valued at the point of exportation. They include the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.
- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,250 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

HISTORICAL NOTES

Data on carpets and rugs have been collected by the Bureau of the Census since 1968. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	404-347-2274
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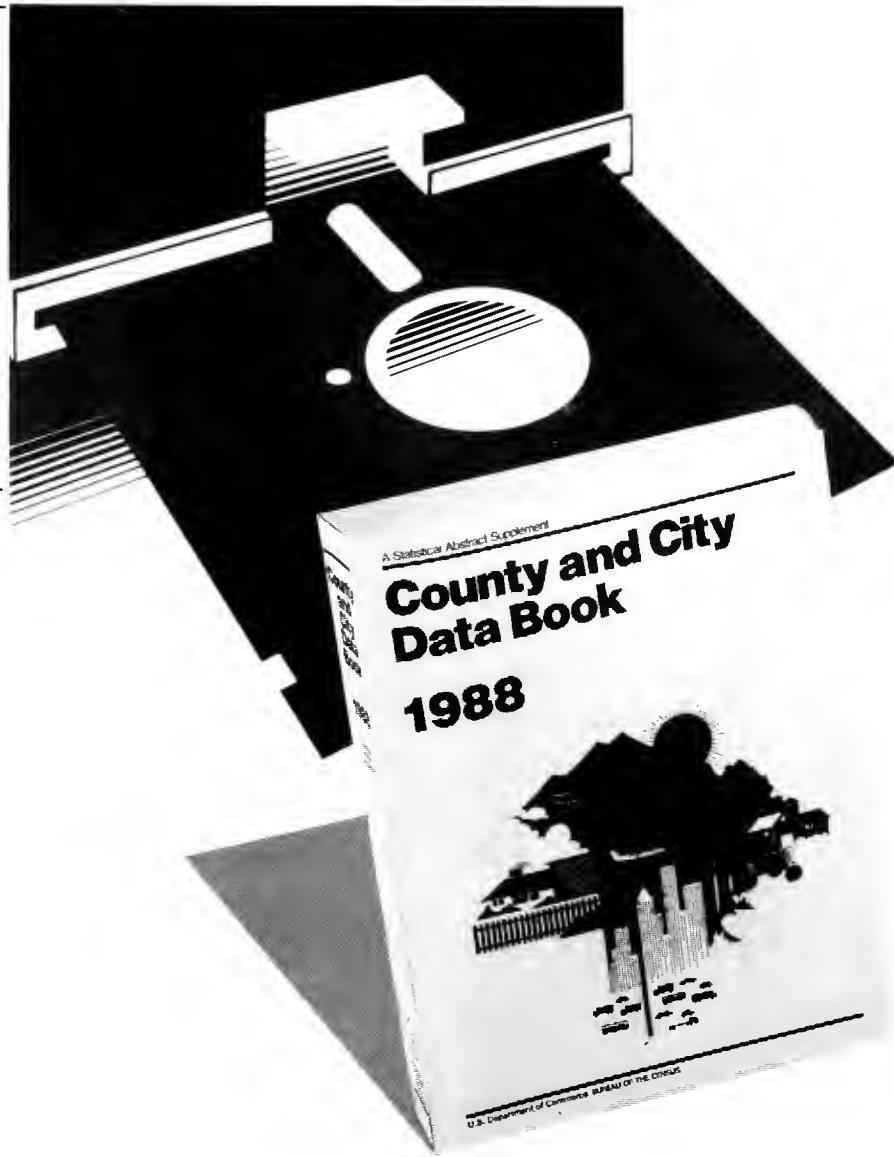
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